

**AMENDMENTS TO THE SPECIFICATION:**

Please replace paragraph [0035] with the following amended paragraph:

**[0035]** The bearings **230** in the bearing and seal assembly **205** are subjected to the inductive heating effects in a high-power AC system. To prevent overheating and failure, the bearings **205** can be made of a non-metallic material such as ceramic. Ceramic bearings, however, are typically expensive and require a significant lead time to acquire. To limit the costs, bearings with metallic races and ceramic balls can be used. These hybrid bearings generally require cooling of the races. In the present invention, the cooling is provided by the water supply system **220**. Alternatively, in other embodiments of the present invention the bearings may comprise ceramic needles.